

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC**.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

Serial No. not assigned

Filing Date: not assigned

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

| | | | | | |
|------------------------|-----------------|------------------------------|-------------------|-----------------------|-----------------|
| Aldous, Alan K. | Reg. No. 31,905 | Huter, Jeffrey B | Reg. No. 41,086 | Park, Ellen | Reg. No. 34,055 |
| Anglin, J. Michael | Reg. No. 24,916 | Jackson Huebsch, Katharine A | Reg. No. 47,670 | Parker, J Kevin | Reg. No. 33,024 |
| Arora, Suneel | Reg. No. 42,267 | Jurkovich, Patti J. | Reg. No. 44,813 | Perdok, Monique M. | Reg. No. 42,989 |
| Beekman, Marvin L. | Reg. No. 38,377 | Kacvinsky, John | Reg. No. 40,040 | Peret, Andrew R. | Reg. No. 41,246 |
| Bianchi, Timothy E. | Reg. No. 39,610 | Kalis, Janal M. | Reg. No. 37,650 | Peterson, David C | Reg. No. 47,857 |
| Billion, Richard E. | Reg. No. 32,836 | Kalson, Seth Z. | Reg. No. 40,670 | Prout, William F. | Reg. No. 33,995 |
| Black, David W. | Reg. No. 42,331 | Kaplan, David J | Reg. No. 41,105 | Reynolds, Thomas C. | Reg. No. 32,488 |
| Brake, R. Edward | Reg. No. 37,784 | Klima-Silberg, Catherine I | Reg. No. 40,052 | Schumm, Sherry W. | Reg. No. 39,422 |
| Brennan, Leoniede M. | Reg. No. 35,832 | Kluth, Daniel J. | Reg. No. 32,146 | Schwegman, Micheal L. | Reg. No. 25,816 |
| Brennan, Thomas F. | Reg. No. 35,075 | Lacy, Rodney L. | Reg. No. 41,136 | Scott, John C. | Reg. No. 38,613 |
| Brooks, Edward J., III | Reg. No. 40,925 | Lam, Peter | Reg. No. 44,855 | Seddon, Kenneth M. | Reg. No. 43,105 |
| Burge, Ben | Reg. No. 42,372 | Lemaire, Charles A. | Reg. No. 36,198 | Seeley, Mark | Reg. No. 32,299 |
| Burtzlaff, Robert A. | Reg. No. 35,466 | LeMoine, Dana B. | Reg. No. 40,062 | Skabrat, Steven P | Reg. No. 36,279 |
| Calderwood, Richard C. | Reg. No. 35,468 | Lundberg, Steven W | Reg. No. 30,568 | Skaist, Howard A. | Reg. No. 36,008 |
| Chadwick, Robin A. | Reg. No. 36,477 | Maki, Peter C. | Reg. No. 42,832 | Smith, Michael G | Reg. No. 45,368 |
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| Clise, Timothy B. | Reg. No. 40,957 | Mates, Robert E. | Reg. No. 35,271 | Steffey, Charles E. | Reg. No. 25,179 |
| Cochran, David R. | Reg. No. 46,632 | McCrackin, Ann M. | Reg. No. 42,858 | Stewart, Steven C | Reg. No. 33,555 |
| Dahl, John M. | Reg. No. 44,639 | McTavish, Hugh E. | Reg. No. P-48,341 | Stordal, Leif T. | Reg. No. 46,251 |
| Draeger, Jeffrey S. | Reg. No. 41,000 | Mehrle, Joseph P. | Reg. No. 45,535 | Su, Gene I. | Reg. No. 45,140 |
| Drake, Eduardo E. | Reg. No. 40,594 | Mirho, Charles A. | Reg. No. 41,199 | Terry, Kathleen R | Reg. No. 31,884 |
| Embrington, Janet E. | Reg. No. 39,665 | Moore, Charles L., Jr. | Reg. No. 33,742 | Tong, Viet V. | Reg. No. 45,416 |
| Faatz, Cynthia Thomas | Reg. No. 39,973 | Muller, Mark V | Reg. No. 37,509 | Viksnins, Ann S. | Reg. No. 37,748 |
| Forrest, Bradley A. | Reg. No. 30,837 | Nagy, Paul | Reg. No. 37,896 | Wells, Calvin E | Reg. No. 43,256 |
| Gamón, Owen J. | Reg. No. 36,143 | Nama, Kash | Reg. No. 44,255 | Winkle, Robert G. | Reg. No. 37,474 |
| Gorrie, Gregory J. | Reg. No. 36,530 | Nelson, Albin J. | Reg. No. 28,650 | Woessner, Warren D. | Reg. No. 30,440 |
| Gortych, Joseph E. | Reg. No. 41,791 | Nicholson, Lea A. | Reg. No. 48,346 | Wong, Sharon | Reg. No. 37,760 |
| Greaves, John N. | Reg. No. 40,362 | Nielsen, Walter W. | Reg. No. 25,539 | Yates, Steven D. | Reg. No. 42,242 |
| Haack, John L. | Reg. No. 36,154 | Novakoski, Leo V. | Reg. No. 37,198 | Young, Charles K | Reg. No. 39,435 |
| Harris, Robert J. | Reg. No. 37,346 | Padys, Danny J. | Reg. No. 35,635 | | |
| Hill, Stanley K. | Reg. No. 37,548 | | | | |

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to **Schwegman, Lundberg, Woessner & Kluth, P.A.** at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : **Oleg Awsienko**

Citizenship: **United States of America**

Residence: **Phoenix, AZ**

Post Office Address: **13822 S. 31st. Pl**

Phoenix, AZ 85048

Signature: _____

Oleg Awsienko

Date: _____

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Full Name of joint inventor number 2 : Edward Butler

Citizenship: United States of America Residence: Chandler, AZ
Post Office Address: 3181 S. Greythorne Way
Chandler, AZ 85248

Signature: _____ Date: _____
Edward Butler

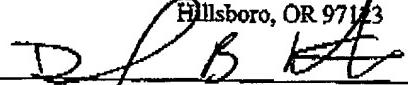
Full Name of joint inventor number 3 : Gary L. McAlpine

Citizenship: United States of America Residence: Banks, OR
Post Office Address: 21600 N.W. Pihl Rd.
Banks, OR 97106

Signature: _____ Date: _____
Gary L. McAlpine

Full Name of joint inventor number 4 : David B. Minturn

Citizenship: United States of America Residence: Hillsboro, OR
Post Office Address: 17125 Chehalen Way
Hillsboro, OR 97113

Signature: _____ Date: _____

David B. Minturn 11/21/01

Full Name of joint inventor number 5 : Joseph Schaefer

Citizenship: United States of America Residence: Chandler, AZ
Post Office Address: 714 West Hemlock Way
Chandler, AZ 85248

Signature: _____ Date: _____
Joseph Schaefer

Full Name of joint inventor number 6 : Gary A. Solomon

Citizenship: United States of America Residence: Action, MA
Post Office Address: 17 Grasshopper Lane
Action, MA 01720

Signature: _____ Date: _____
Gary A. Solomon

Attorney Docket No.: 884.660US1

Serial No. not assigned

Filing Date: not assigned

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

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United States Patent Application

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Attorney Docket No.: 884.660US1

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| Brennan, Thomas F. | Reg. No. 35,075 | Lacy, Rodney L. | Reg. No. 41,136 | Scott, John C | Reg. No. 38,613 |
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| Hill, Stanley K. | Reg. No. 37,548 | | | | |

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Full Name of joint inventor number 1 : **Oleg Awsienko**
 Citizenship: **United States of America**
 Post Office Address: **13822 S. 31st. Pl
Phoenix, AZ 85048**

Residence: **Phoenix, AZ**

Signature: _____ Date: _____
Oleg Awsienko

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Full Name of joint inventor number 2 : Edward Butler

Citizenship: United States of America
Post Office Address: 3181 S. Greathorne Way
Chandler, AZ 85248

Residence: Chandler, AZ

Signature: _____ Date: _____
Edward Butler

Full Name of joint inventor number 3 : Gary L. McAlpine

Citizenship: United States of America
Post Office Address: 21600 N.W. Pihl Rd.
Banks, OR 97106

Residence: Banks, OR

Signature: Gary L. McAlpine Date: 11/2/02
Gary L. McAlpine

Full Name of joint inventor number 4 : David B. Minturn

Citizenship: United States of America
Post Office Address: 17125 Chehalen Way
Hillsboro, OR 97123

Residence: Hillsboro, OR

Signature: _____ Date: _____
David B. Minturn

Full Name of joint inventor number 5 : Joseph Schaefer
Citizenship: United States of America
Post Office Address: 714 West Hemlock Way
Chandler, AZ 85248

Residence: Chandler, AZ

Signature: _____ Date: _____
Joseph Schaefer

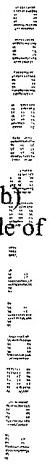
Full Name of joint inventor number 6 : Gary A. Solomon
Citizenship: United States of America
Post Office Address: 17 Grasshopper Lane
Action, MA 01720

Residence: Action, MA

Signature: _____ Date: _____
Gary A. Solomon

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|--|---|---|--|---|---|
| Aldous, Alan K. Anglin, J. Michael Arora, Sumeet Beekman, Marvin L. Bianchi, Timothy E. Billiou, Richard E. Black, David W. Brake, R. Edward Brennan, Leonide M. Brennan, Thomas F. Brooks, Edward J., III Burge, Ben Burtzlaff, Robert A. Calderwood, Richard C. Chadwick, Robin A. Clark, Barbara J. Clise, Timothy B. Cochran, David R. Dahl, John M. Draeger, Jeffrey S. Drake, Eduardo E. Embrerton, Janet E. Fratz, Cynthia Thomas Forrest, Bradley A. Ganon, Owen J. Gorrie, Gregory J. Gortych, Joseph E. Greaves, John N. Haack, John L. Harris, Robert J. Hill, Stanley K. | Reg. No. 31,905 Reg. No. 24,916 Reg. No. 42,267 Reg. No. 38,377 Reg. No. 39,610 Reg. No. 32,836 Reg. No. 42,331 Reg. No. 37,784 Reg. No. 35,832 Reg. No. 35,075 Reg. No. 40,925 Reg. No. 42,372 Reg. No. 35,466 Reg. No. 35,468 Reg. No. 36,477 Reg. No. 38,107 Reg. No. 40,957 Reg. No. 46,632 Reg. No. 44,639 Reg. No. 41,000 Reg. No. 40,594 Reg. No. 39,565 Reg. No. 39,973 Reg. No. 30,837 Reg. No. 36,143 Reg. No. 36,530 Reg. No. 41,791 Reg. No. 40,362 Reg. No. 36,154 Reg. No. 37,346 Reg. No. 37,548 | Huter, Jeffrey B. Jackson Huebsch, Katherine A. Jurkovich, Patti J. Kacvinsky, John Kalis, Jamal M. Kalson, Seth Z. Kaplan, David J. Klima-Silberg, Catherine I. Khuth, Daniel J. Lacy, Rodney L. Lam, Peter Lemaire, Charles A. LeMoine, Dana B. Lundberg, Steven W. Maki, Peter C. Malen, Peter L. Mates, Robert E. McCrackin, Ann M. McTavish, Hugh E. McVyle, Joseph P. Mirho, Charles A. Moore, Charles L., Jr. Mueller, Mark V. Nagy, Paul Nanna, Kash Nelson, Albin J. Nicholson, Lea A. Nielsen, Walter W. Novakoski, Leo V. Padys, Danny J. | Reg. No. 41,086 Reg. No. 47,670 Reg. No. 44,813 Reg. No. 40,040 Reg. No. 37,650 Reg. No. 40,670 Reg. No. 41,105 Reg. No. 40,052 Reg. No. 32,146 Reg. No. 41,136 Reg. No. 44,855 Reg. No. 36,198 Reg. No. 40,062 Reg. No. 30,568 Reg. No. 42,832 Reg. No. 44,894 Reg. No. 35,271 Reg. No. 42,858 Reg. No. P-48,341 Reg. No. 45,535 Reg. No. 41,199 Reg. No. 33,742 Reg. No. 37,509 Reg. No. 37,896 Reg. No. 44,255 Reg. No. 28,650 Reg. No. 48,346 Reg. No. 25,539 Reg. No. 37,198 Reg. No. 35,635 | Park, Ellen Parker, J. Kevin Perdok, Monique M. Peret, Andrew R. Peterson, David C. Prout, William F. Reynolds, Thomas C. Schumm, Sherry W. Schwegman, Micheal L. Scott, John C. Seddon, Kenneth M. Seeley, Mark Shahraz, Steven P. Skaist, Howard A. Smith, Michael G. Speier, Gary J. Steffey, Charles E. Stewart, Steven C. Stordal, Leif T. Su, Gene I. Terry, Kathleen R. Tong, Viet V. Vikmans, Ann S. Wells, Calvin E. Winkle, Robert G. Woessner, Warren D. Wong, Sharon Yates, Steven D. Young, Charles K. | Reg. No. 34,055 Reg. No. 33,024 Reg. No. 42,989 Reg. No. 41,246 Reg. No. 47,857 Reg. No. 33,995 Reg. No. 32,488 Reg. No. 39,422 Reg. No. 25,816 Reg. No. 38,613 Reg. No. 43,105 Reg. No. 32,299 Reg. No. 36,279 Reg. No. 36,008 Reg. No. 45,368 Reg. No. 45,458 Reg. No. 25,179 Reg. No. 33,555 Reg. No. 46,251 Reg. No. 45,140 Reg. No. 31,884 Reg. No. 45,416 Reg. No. 37,748 Reg. No. 43,256 Reg. No. 37,474 Reg. No. 30,440 Reg. No. 37,760 Reg. No. 42,242 Reg. No. 39,435 |
|--|---|---|--|---|---|

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

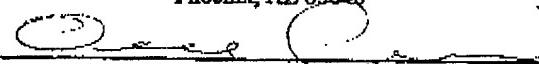
Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Oleg Awslenko
Citizenship: United States of America
Post Office Address:
13822 S. 31st Pl
Phoenix, AZ 85048

Residence: Phoenix, AZ

Signature: 

Oleg Awslenko

Date: 11/11/01

Serial No. not assigned

Filing Date: not assigned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 2 : Edward ButlerCitizenship: **United States of America**
Post Office Address: 3181 S. Greythorne Way
Chandler, AZ 85248Residence: **Chandler, AZ**

Signature:

Edward Butler

Date:

Full Name of joint inventor number 3 : Gary L. McAlpineCitizenship: **United States of America**
Post Office Address: 21600 N.W. Pihl Rd.
Banks, OR 97106Residence: **Banks, OR**

Signature:

Gary L. McAlpine

Date:

Full Name of joint inventor number 4 : David B. MinturnCitizenship: **United States of America**
Post Office Address: 17125 Chehalen Way
Hillsboro, OR 97123Residence: **Hillsboro, OR**

Signature:

David B. Minturn

Date:

Full Name of joint inventor number 5 : Joseph SchaeferCitizenship: **United States of America**
Post Office Address: 714 West Hemlock Way
Chandler, AZ 85248Residence: **Chandler, AZ**

Signature:

Joseph Schaefer

Date:

Full Name of joint inventor number 6 : Gary A. SolomonCitizenship: **United States of America**
Post Office Address: 17 Grasshopper Lane
Action, MA 01720Residence: **Action, MA**

Signature:

Gary A. Solomon

Date:

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application
COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC**.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. §1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

| | | | | | |
|------------------------|-----------------|------------------------------|-------------------|-----------------------|-----------------|
| Aldous, Alan K. | Reg. No. 31,905 | Huter, Jeffrey B. | Reg. No. 41,086 | Park, Ellen | Reg. No. 34,055 |
| Anglin, J. Michael | Reg. No. 24,916 | Jackson Huebch, Katharine A. | Reg. No. 47,670 | Parker, J. Kevin | Reg. No. 33,024 |
| Arora, Suneel | Reg. No. 42,267 | Jurkovich, Patti J. | Reg. No. 44,813 | Perdok, Monique M. | Reg. No. 42,989 |
| Beckman, Marvin L. | Reg. No. 38,377 | Kacvinsky, John | Reg. No. 40,040 | Peret, Andrew R. | Reg. No. 41,246 |
| Bianchi, Timothy E. | Reg. No. 39,610 | Kalis, Janal M. | Reg. No. 37,650 | Peterson, David C. | Reg. No. 47,857 |
| Billion, Richard E. | Reg. No. 32,836 | Kaison, Seth Z. | Reg. No. 40,670 | Prout, William F. | Reg. No. 33,995 |
| Black, David W. | Reg. No. 42,331 | Kaplan, David J. | Reg. No. 41,105 | Reynolds, Thomas C. | Reg. No. 32,488 |
| Brake, R. Edward | Reg. No. 37,784 | Klima-Silberg, Catherine I. | Reg. No. 40,052 | Schumann, Sherry W. | Reg. No. 39,422 |
| Brennan, Leoniede M. | Reg. No. 35,832 | Khuth, Daniel J. | Reg. No. 32,146 | Schwegman, Micheal L. | Reg. No. 25,816 |
| Brennan, Thomas F. | Reg. No. 35,075 | Lacy, Rodney L. | Reg. No. 41,136 | Scott, John C. | Reg. No. 38,613 |
| Brooks, Edward J., III | Reg. No. 40,925 | Lam, Peter | Reg. No. 44,855 | Seddon, Kenneth M. | Reg. No. 43,105 |
| Burge, Ben | Reg. No. 42,372 | Lemaire, Charles A. | Reg. No. 36,198 | Seeley, Mark | Reg. No. 32,299 |
| Burtzlaff, Robert A. | Reg. No. 35,466 | LeMoine, Dana B. | Reg. No. 40,062 | Skabrat, Steven P. | Reg. No. 36,279 |
| Calderwood, Richard C. | Reg. No. 35,468 | Lundberg, Steven W. | Reg. No. 30,568 | Skaist, Howard A. | Reg. No. 36,008 |
| Chadwick, Robin A. | Reg. No. 36,477 | Maki, Peter C. | Reg. No. 42,832 | Smith, Michael G. | Reg. No. 45,368 |
| Clark, Barbara J. | Reg. No. 38,107 | Malen, Peter L. | Reg. No. 44,894 | Speier, Gary J. | Reg. No. 45,458 |
| Cline, Timothy B. | Reg. No. 40,957 | Mates, Robert E. | Reg. No. 35,271 | Steffey, Charles E. | Reg. No. 25,179 |
| Cochran, David R. | Reg. No. 46,632 | McCrackin, Ann M. | Reg. No. 42,858 | Stewart, Steven C. | Reg. No. 33,555 |
| Dahl, John M. | Reg. No. 44,639 | McTavish, Hugh E. | Reg. No. P-48,341 | Stordal, Leif T. | Reg. No. 46,251 |
| Draeger, Jeffrey S. | Reg. No. 41,000 | Meltzic, Joseph P. | Reg. No. 45,535 | Su, Gene I. | Reg. No. 45,140 |
| Drake, Eduardo E. | Reg. No. 40,594 | Mirho, Charles A. | Reg. No. 41,199 | Terry, Kathleen R. | Reg. No. 31,884 |
| Embreton, Janet E. | Reg. No. 39,665 | Moore, Charles L., Jr. | Reg. No. 33,742 | Tong, Viet V. | Reg. No. 45,416 |
| Faatz, Cynthia Thomas | Reg. No. 39,973 | Muller, Mark V. | Reg. No. 37,509 | Viksmis, Ann S. | Reg. No. 37,748 |
| Forrest, Bradley A. | Reg. No. 30,837 | Nagy, Paul | Reg. No. 37,896 | Wells, Calvin E. | Reg. No. 43,256 |
| Gamon, Owen J. | Reg. No. 36,143 | Nama, Kash | Reg. No. 44,255 | Winkle, Robert G. | Reg. No. 37,474 |
| Gorrie, Gregory J. | Reg. No. 36,530 | Nelson, Albin J. | Reg. No. 28,650 | Woessner, Warren D. | Reg. No. 30,440 |
| Gortych, Joseph E. | Reg. No. 41,791 | Nicholson, Lea A. | Reg. No. 48,346 | Wong, Sharon | Reg. No. 37,760 |
| Greaves, John N. | Reg. No. 40,362 | Nielsen, Walter W. | Reg. No. 25,539 | Yates, Steven D. | Reg. No. 42,242 |
| Haack, John L. | Reg. No. 36,154 | Novakoski, Leo V. | Reg. No. 37,198 | Young, Charles K. | Reg. No. 39,435 |
| Harris, Robert J. | Reg. No. 37,346 | Padys, Dammy J. | Reg. No. 35,635 | | |
| Hill, Stanley K. | Reg. No. 37,548 | | | | |

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Oleg Awsjenko

Citizenship: United States of America

Post Office Address: 13822 S. 31st Pl

Phoenix, AZ 85048

Residence: Phoenix, AZ

Signature: _____

Attorney Docket No.: 884.660US1
Serial No. not assigned
Filing Date: not assigned

Page 3 of 4

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 2 : Edward Butler

Citizenship: United States of America Residence: Chandler, AZ
Post Office Address: 3181 S. Greythorne Way
Chandler, AZ 85248

Signature: _____ Date: _____
Edward Butler

Full Name of joint inventor number 3 : Gary L. McAlpine

Citizenship: United States of America Residence: Banks, OR
Post Office Address: 21600 N.W. Pihl Rd.
Banks, OR 97106

Signature: _____ Date: _____
Gary L. McAlpine

Full Name of joint inventor number 4 : David B. Minturn

Citizenship: United States of America Residence: Hillsboro, OR
Post Office Address: 17125 Chehalen Way
Hillsboro, OR 97123

Signature: _____ Date: _____
David B. Minturn

Full Name of joint inventor number 5 : Joseph Schaefer

Citizenship: United States of America Residence: Chandler, AZ
Post Office Address: 714 West Hemlock Way
Chandler, AZ 85248

Signature: _____ Date: _____
Joseph Schaefer

Full Name of joint inventor number 6 : Gary A. Solomon

Citizenship: United States of America Residence: Action, MA
Post Office Address: Action, MA 01720
17 Grasshopper Lane

Signature: _____ Date: _____
Gary A. Solomon

Action 6S.

11/2/01

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

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- (2) It refutes, or is inconsistent with, a position the applicant takes in:
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(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application
COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC**.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

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|--|---|---|--|--|---|
| Aldous, Alan K. Anglin, J. Michael Arona, Suneet Beckman, Marvin L. Bianchi, Timothy E. Billion, Richard E. Black, David W. Brake, R. Edward Brennan, Leoniede M. Brennan, Thomas F. Brooks, Edward J., III Burge, Ben Burzlaaff, Robert A. Calderwood, Richard C. Chadwick, Robin A. Clark, Barbara J. Clise, Timothy B. Cochran, David R. Dahl, John M. Draeger, Jeffrey S. Drake, Edwardo E. Embreton, Janet E. Esatz, Cynthia Thomas Forrest, Bradley A. Gamon, Owen J. Gorrie, Gregory J. Gortych, Joseph E. Greaves, John N. Haack, John L. Harris, Robert J. Hill, Stanley K. | Reg. No. 31,905 Reg. No. 24,916 Reg. No. 42,267 Reg. No. 38,377 Reg. No. 39,610 Reg. No. 32,836 Reg. No. 42,331 Reg. No. 37,784 Reg. No. 35,832 Reg. No. 35,075 Reg. No. 40,925 Reg. No. 42,372 Reg. No. 35,466 Reg. No. 35,468 Reg. No. 36,477 Reg. No. 38,107 Reg. No. 40,957 Reg. No. 46,632 Reg. No. 44,639 Reg. No. 41,000 Reg. No. 40,594 Reg. No. 39,665 Reg. No. 39,973 Reg. No. 30,837 Reg. No. 36,143 Reg. No. 36,530 Reg. No. 41,791 Reg. No. 40,362 Reg. No. 36,154 Reg. No. 37,346 Reg. No. 37,548 | Hinter, Jeffrey B. Jackson Huebsch, Katharine A. Junkovich, Patti J. Kacvinsky, John Kalis, Jamal M. Kalsom, Seth Z. Kaplan, David J. Klima-Silberg, Catherine I. Khuth, Daniel J. Lacy, Rodney L. Lam, Peter LeLimaire, Charles A. LeMoine, Dana B. Lundberg, Steven W. Maki, Peter C. Malen, Peter L. Mates, Robert E. McCrackin, Ann M. McTavish, Hugh E. Mehrle, Joseph P. Mirho, Charles A. Moore, Charles L., Jr. Mueller, Mark V. Nagy, Paul Nama, Kash Nelson, Albin J. Nicholson, Lea A. Nielsca, Walter W. Novakoski, Leo V. Padys, Danny J. | Reg. No. 41,086 Reg. No. 47,670 Reg. No. 44,813 Reg. No. 40,040 Reg. No. 37,650 Reg. No. 40,670 Reg. No. 41,105 Reg. No. 40,052 Reg. No. 32,146 Reg. No. 41,136 Reg. No. 44,855 Reg. No. 36,198 Reg. No. 40,062 Reg. No. 30,568 Reg. No. 42,832 Reg. No. 44,894 Reg. No. 35,271 Reg. No. 42,858 Reg. No. P-48,341 Reg. No. 45,535 Reg. No. 41,199 Reg. No. 33,742 Reg. No. 37,509 Reg. No. 37,896 Reg. No. 44,255 Reg. No. 28,650 Reg. No. 48,346 Reg. No. 25,539 Reg. No. 37,198 Reg. No. 35,635 | Park, Ellen Parker, J. Kevin Perdok, Monique M. Peret, Andrew R. Peterson, David C. Prout, William F. Reynolds, Thomas C. Schuman, Sherry W. Schwegman, Micheal L. Scott, John C. Seddon, Kenneth M. Seeley, Mark Skabrat, Steven P. Skaist, Howard A. Smith, Michael G. Speier, Gary J. Steffey, Charles E. Stewart, Steven C. Stordal, Leif T. Su, Gene I. Terry, Kathleen R. Tong, Viet V. Viksnis, Ann S. Wells, Calvin E. Winkle, Robert G. Woessner, Warren D. Wong, Sharon Yates, Steven D. Young, Charles K. | Reg. No. 34,055 Reg. No. 33,024 Reg. No. 42,989 Reg. No. 41,246 Reg. No. 47,857 Reg. No. 33,995 Reg. No. 32,488 Reg. No. 39,422 Reg. No. 25,816 Reg. No. 38,613 Reg. No. 43,105 Reg. No. 32,299 Reg. No. 36,279 Reg. No. 36,008 Reg. No. 45,368 Reg. No. 45,458 Reg. No. 25,179 Reg. No. 33,555 Reg. No. 46,251 Reg. No. 45,140 Reg. No. 31,884 Reg. No. 45,416 Reg. No. 37,748 Reg. No. 43,256 Reg. No. 37,474 Reg. No. 30,440 Reg. No. 37,760 Reg. No. 42,242 Reg. No. 39,435 |
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I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Residence: Phoenix, AZ

Signature: _____ Date: _____
Oleg Awsienko

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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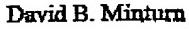
Residence: Banks, OR

Signature: _____ Date: _____


Full Name of joint inventor number 4 : David B. Minturn

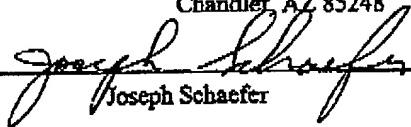
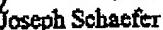
Citizenship: United States of America
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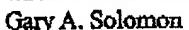
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§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

UNITED STATES PATENT APPLICATION

**MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY
ORTHOGONAL SWITCHING FABRIC**

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